Thermochimica Acta, 177 (1991) 347
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Adamowicz, L., 101
Allan, J.R., 213
Andruh, M., 93

Badri, M., 239
Barbooti, M.M., 329
Birnie, J., 213

Casais-Alvarez, M.T., 77
Cerdá, V., 229
Chaparro, R.P., 341
Cimpoeşu, F., 93
Coolidge, M.B., 151
Crouse, K.A., 239
Cuevas-Diarte, M.A., 169

De Candia, F., 221
De Robertis, A., 39
De Stefano, C., 39
Djordjevic, N.M., 109
Dollimore, D., 59
Dunstan, P.O., 341

El-Shetary, B.A., 83
El-Wafa, O.A., 83
Estela, J.M., 229

Fătu, D., 15

García-Clavel, M.E., 77
Gerrard, D.L., 213
Gianguzza, A., 39
Goryachko, V.I., 259

Haget, Y., 169
Housty, J.R., 169
Huang, C.-W., 253
Huang, C.W., 1
Hueso-Ureña, F., 119
Hwang, C.-J., 253

Ibraheim, A.H., 329

Jamil, L.A., 329
Jara, R., 229

Kanber, S.A., 329
Karjala, P.J., 187
Kikuchi, M., 273
Kowalski, B., 9

Landes, B.G., 187
Lauderdale, W.J., 151
Lee, J.-S., 253
Lee, J.S., 1
Lesnikovich, A.I., 259
Leu, A.-L., 23
Lichanot, A., 265
Lin, T.J., 1

Martínez-Lope, M.J., 77
Milburn, G.H.W., 213
Miyata, S., 129
Mondieig, D., 169
Moreno-Carretero, M.N., 119
Muraishi, K., 273
Murakami, S., 305, 317

Nagase, K., 273
Nagata, I., 129
Nakai, H., 305, 317

Ogawa, H., 305, 317
Oonk, H.A.J., 169
Orabi, A.S., 83

Pasztor, Jr., A.J., 187
Pathak, G., 143
Patil, K.R., 143
Perng, J.C., 1
Pradhan, S.D., 143

Richmond, F., 213
Rodgers, S.L., 151
Romero-Molina, M.A., 119
Russo, R., 221

Saito, A., 197
Salas-Peregrin, J.M., 119
Sallam, Sh.A., 83
Schwarz, F.P., 285
Segal, E., 93
Shackelford, S.A., 151
Shen, S.-M., 23
Slanina, Z., 101
Soejima, H., 305

Tamura, K., 305, 317
Toshiyasu, Y., 305, 317

Vicentini, G., 341
Vyazovkin, S.V., 259

Wilson, A.S., 213

Yeh, H.-C., 23
Yokobayashi, H., 273

Zinner, L.B., 341

Thermochimica Acta, 177 (1991) 349–351
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acetone
Excess enthalpies and excess volumes of mixing for isomeric butanol–acetone systems at 303.15 K, 143
Acetylacetone
Thermodynamics of tautomeric solutions: vapour–liquid equilibrium for acetylacetone–non-associating component mixtures, 129
Alloys
The production of metals and alloys by the decomposition of oxysalts, 59
Alumina
Solubilization reaction of the alumina from kaolin by solid state reaction, 77
Amidoxime group
Analytical properties of the amidoxime group: spectrophotometric and thermometric behaviour of ethanediamidoxime and its Cu(II) and U(VI) complexes, 229
Ammonia
Oxidation of ammonia evolved by thermal decomposition of Co(III) ammine complexes, 197
Antioxidants
Evaluation of the stability of some antioxidants for fat-based foods, 9
L-Aspartic acid
Salt effects on the protonation of L-histidine and L-aspartic acid: a complex formation model, 39

Butanol
Excess enthalpies and excess volumes of mixing for isomeric butanol–acetone systems at 303.15 K, 143
4-(Butylamino) benzoic acid
Thermal, spectral and magnetic studies of chloro complexes of cobalt, nickel and copper with 4-(butylamino) benzoic acid, 213

$CaO \cdot P_2O_5$ glass
Kinetic studies on crystallization of $CaO \cdot P_2O_5$ glass by differential thermal analysis, 1
Chromium(II) salts
Thermal studies on chromium(II) salts, 239
Co(III) ammine complexes
Oxidation of ammonia evolved by thermal decomposition of Co(III) ammine complexes, 197
Cobalt
Thermal, spectral and magnetic studies of chloro complexes of cobalt, nickel and copper with 4-(butylamino) benzoic acid, 213
Complex anion
Thermal behaviour of complex cation–complex anion type coordination compounds. Part V, 93
Complex cation
Thermal behaviour of complex cation–complex anion type coordination compounds. Part V, 93
Coordination compounds
Thermal behaviour of complex cation–complex anion type coordination compounds. Part V, 93
Copper
Thermal, spectral and magnetic studies of chloro complexes of cobalt, nickel and copper with 4-(butylamino) benzoic acid, 213
Crystallization
Kinetic studies on crystallization of $CaO \cdot P_2O_5$ glass by differential thermal analysis, 1

Dialkylphosphatidylcholine
Biological thermodynamic data for the calibration of differential scanning calorimeters: dynamic temperature data on the gel to liquid crystal phase transition of dialkylphosphatidylcholine in water suspensions, 285
Difluorobenzene
Heat capacities of fluoroaniline, fluorophenol and difluorobenzene in condensed phase, 265

Ethanediamidoxine
Analytical properties of the amidoxime group: spectrophotometric and thermometric behaviour of ethanediamidoxime and its Cu(II) and U(VI) complexes, 229
Ethylcyanopyridylhydrazonoacetate
Complexes of some trivalent lanthanides with ethylcyanopyridylhydrazonoacetate and their hydrazides: stability constants and thermodynamic functions, 83
$Eu_2mal_3 \cdot 6H_2O$
Comparative studies between the thermal decomposition reactions of lanthanide(III) oxalates and malonates. Part I. The reaction

processes of $Eu_2ox_3 \cdot 10H_2O$ and $Eu_2mal_3 \cdot 6H_2O$, 273

$Eu_2ox_3 \cdot 10H_2O$
Comparative studies between the thermal decomposition reactions of lanthanide(III) oxalates and malonates. Part I. The reaction processes of $Eu_2ox_3 \cdot 10H_2O$ and $Eu_2mal_3 \cdot 6H_2O$, 273

Fat-based foods
Evaluation of the stability of some antioxidants for fat-based foods, 9

Fluoroaniline
Heat capacities of fluoroaniline, fluorophenol and difluorobenzene in condensed phase, 265

Fluorophenol
Heat capacities of fluoroaniline, fluorophenol and difluorobenzene in condensed phase, 265

1,4-bis(*p*-Fluorobenzene sulphonyl)-2-alkoxy tetrahydropyrazines
Thermoanalytical investigations on heterocyclic organic compounds. Part VI. Synthesis, characterization and thermal decomposition of 1,4-bis(*p*-fluorobenzene sulphonyl)-2-alkoxy tetrahydropyrazines, 329

Gel to liquid crystal
Biological thermodynamic data for the calibration of differential scanning calorimeters: dynamic temperature data on the gel to liquid crystal phase transition of dialkylphosphatidylcholine in water suspensions, 285

Hexahydro-1,3,5-trinitro-1,3,5-triazine
Comparative mechanistic thermochemical decomposition analyses of liquid hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) using the kinetic deuterium isotope effect approach, 151

L-Histidine
Salt effects on the protonation of L-histidine and L-aspartic acid: a complex formation model, 39

Hydrazides
Complexes of some trivalent lanthanides with ethylcyanopyridylhydrazonoacetate and their hydrazides: stability constants and thermodynamic functions, 83

2-Hydroxypyridine
Temperature isomeric interplay in the 2-pyridone–2-hydroxypyridine system: thermodynamically consistent treatment, 101

Isoorotate complexes
Thermal behaviour of some metallic complexes with isoorotate and 2-thioisoorotate complexes (in French), 119

Kaolin
Solubilization reaction of the alumina from kaolin by solid state reaction, 77

Kinetic curves
A method of comparing kinetic curves obtained under isothermal and nonisothermal conditions, 259

Kinetic deuterium isotope
Comparative mechanistic thermochemical decomposition analyses of liquid hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) using the kinetic deuterium isotope effect approach, 151

Lanthanide(III) oxalates
Comparative studies between the thermal decomposition reactions of lanthanide(III) oxalates and malonates. Part I. The reaction processes of $Eu_2ox_3 \cdot 10H_2O$ and $Eu_2mal_3 \cdot 6H_2O$, 273

Malonates
Comparative studies between the thermal decomposition reactions of lanthanide(III) oxalates and malonates. Part I. The reaction processes of $Eu_2ox_3 \cdot 10H_2O$ and $Eu_2mal_3 \cdot 6H_2O$, 273

Metallic complexes
Thermal behaviour of some metallic complexes with isoorotate and 2-thioisoorotate complexes (in French), 119

Multiple linear regression
Computerized analysis of single DTA curve data by a multiple linear regression method for the evaluation of nonisothermal kinetic parameters, 253

Nickel
Thermal, spectral and magnetic studies of chloro complexes of cobalt, nickel and copper with 4-(butylamino) benzoic acid, 213

n-Octadecane
Solubilities of polycyclic aromatic hydrocarbon solids in *n*-octadecane, 109

n-Octane
Thermodynamic properties of mixtures of a dioxanonane isomer + *n*-octane at 298.15 K. Part I. Excess enthalpies and heat capacities, 305
Thermodynamic properties of the mixtures of a dioxanonane isomer + *n*-octane at 298.15 K. Part II. Excess molar volumes and excess isentropic and isothermal compressibilities (measurements of density and speed of sound), 317

Oxysalts
The production of metals and alloys by the decomposition of oxysalts, 59

4-Picoline-*N*-oxide (4-picNO) lanthanoid trifluoroacetate complexes
Synthesis, properties and thermal study of 4-picoline-*N*-oxide (4-picNO) lanthanoid trifluoroacetate complexes, 341
Polycyclic aromatic hydrocarbon
Solubilities of polycyclic aromatic hydrocarbon solids in *n*-octadecane, 109
2-Pyridone
Temperature isomeric interplay in the 2-pyridone–2-hydroxypyridine system: thermodynamically consistent treatment, 101

Secondary flames
Evaluation method for the effect of salts on the elimination of secondary flames of energetic materials by differential scanning calorimetry, 23
Solid–solid reactions
Factors on which the rate of solid–solid reactions depends, 15
Stereoblock isotactic polypropylene
Crystallization and melting behaviour of a stereoblock isotactic polypropylene, 221

Syndiotactic polystyrene
Thermal properties of syndiotactic polystyrene, 187

Tautomeric solution
Thermodynamics of tautomeric solutions: vapour–liquid equilibrium for acetylacetone–non-associating component mixtures, 129
2-Thioisoorotate complexes
Thermal behaviour of some metallic complexes with isoorotate and 2-thioisoorotate complexes (in French), 119
Trivalent lanthanides
Complexes of some trivalent lanthanides with ethylcyanopyridylhydrazonoacetate and their hydrazides: stability constants and thermodynamic functions, 83
1,2,4,5-Tetrabromobenzene
The system 1,2,4,5-tetrachlorobenzene + 1,2,4,5-tetrabromobenzene. Part I. Experimental phase diagram (93–460 K), 169
1,2,4,5-Tetrachlorobenzene
The system 1,2,4,5-tetrachlorobenzene + 1,2,4,5-tetrabromobenzene. Part I. Experimental phase diagram (93–460 K), 169